

Title (en)
SORTING WASTE MATERIALS

Title (de)
SORTIEREN VON ABFALLSTOFFENSORTIEREN VON ABFALLSTOFFEN

Title (fr)
TRI DE DÉCHETS

Publication
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Application
EP 21159018 A 20161019

Priority
• GB 201608644 A 20160517
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Abstract (en)
Apparatus for sorting mixed waste materials, comprising: a first sieve (210) screen having upper and lower surfaces (300, 310) and first sieve openings configured to allow only particles having a maximum dimension less than or equal to a first threshold dimension to pass therethrough; a second sieve screen (400) having upper and lower surfaces (410, 420) and second sieve openings configured to allow only particles having a maximum dimension less than or equal to a second threshold dimension to pass therethrough, the second threshold dimension being less than the first threshold dimension; and a third surface (500); wherein the apparatus is configured such that particles passing through the first screen (210) fall under gravity towards the upper surface (410) of the second screen (400) and particles passing through the second screen (400) fall under gravity towards the third surface (500); the apparatus being further configured to generate: a first gas stream (J) between the lower surface (310) of the first screen (210) and the upper surface (410) of the second screen (400) and configured to drive off volatile contaminants from particles passing through the first screen (210), the first gas stream having a respective first velocity; and a second gas stream (K) between the lower surface (420) of the second screen and the third surface (500) and configured to drive off volatile contaminants from particles passing through the second screen (400), the second gas stream (K) having a respective second velocity, less than the first velocity.

IPC 8 full level
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Citation (applicant)
• EP 0968061 A1 20000105 - WHITE ROGER [GB]
• WO 2009004278 A2 20090108 - RCW INVEST LTD [GB], et al

Citation (search report)
• [XAYI] EP 2272595 A1 20110112 - LUBO SCREENING & RECYCLINGSYSTEMS B V [NL]
• [YD] EP 0968061 A1 20000105 - WHITE ROGER [GB]
• [Y] WO 9720643 A2 19970612 - EASTERN POWER LTD [CA]

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